

**Notice of Allowability**

Application No.

10/083,214

Applicant(s)

ODENWALD, LOUIS H.

Examiner

Joshua Joo

Art Unit

2154

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 5/27/2005.
2. ☒ The allowed claim(s) is/are 1,3-13,15-23,25 and 26.
3. ☒ The drawings filed on 2/26/02 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted:
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

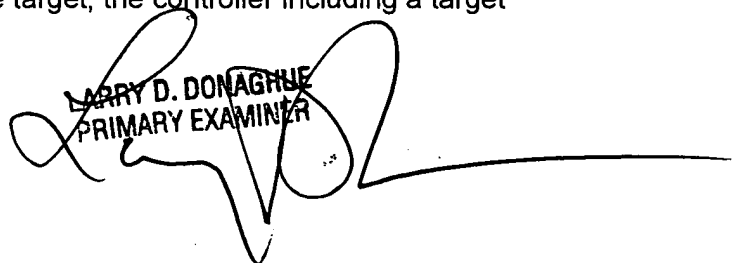
**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

Art Unit: 2154

### Examiner's Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in a telephone interview with Chad W. Swantz, on August 8, 2005.
3. The application has been amended as follows:
  19. (Currently amended) An input/output interface suitable for communicatively coupling a host with a target device, comprising:
    - at least one port communicatively coupling the input/output interface with a host;
    - at least one port communicatively coupling the input/output interface with a target; and
    - a controller communicatively coupled to the at least one port communicatively coupling the input/output interface with the host and the at least one port communicatively coupling the input/output interface with the target, wherein the controller receives an identifier including a bus field and an ID field from the host, the controller shifts at least one of the bus field and the ID field into a linear value to generate a logical identifier, the logical identifier suitable for being utilized in conjunction with a look-up table to provide access to the target, the controller including a target masking configuration utility. [[,]]

  
LARRY D. DONAGHUE  
PRIMARY EXAMINER

### Notice of Allowance

4. The following is an examiner's statement of reasons for allowance:

None of the prior arts of record teaches or fairly suggests all of the limitation recited in the claims, specifically an input/output interface comprising a controller that generates a logical identifier by shifting at least one of a bus field and ID field to create a liner value.

Applicant has also filed a terminal disclaimer to overcome the double patenting rejection with copending application #09/994,082 now US Patent #6,728,789. Upon examining the history of the prosecution of application #09/994,082, #9/994,082 was also issued an allowance because prior arts of record do not teach or suggest of a controller generating a logical identifier by shifting at least one of a bus field and ID field to create a liner value

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joshua Joo who telephone number is 571 272-3966

August 8, 2005

JJ

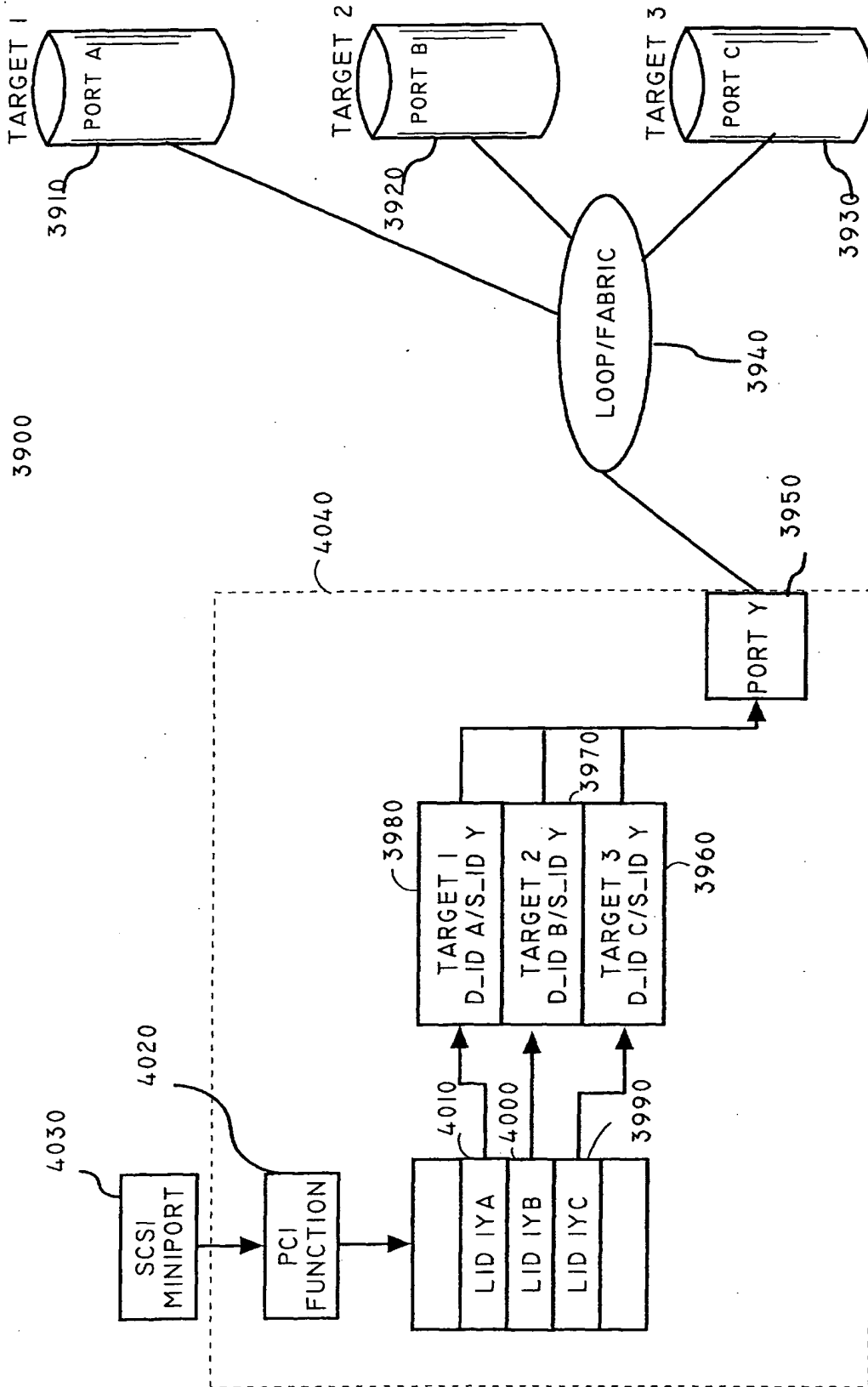


FIG. 35

Prior Art

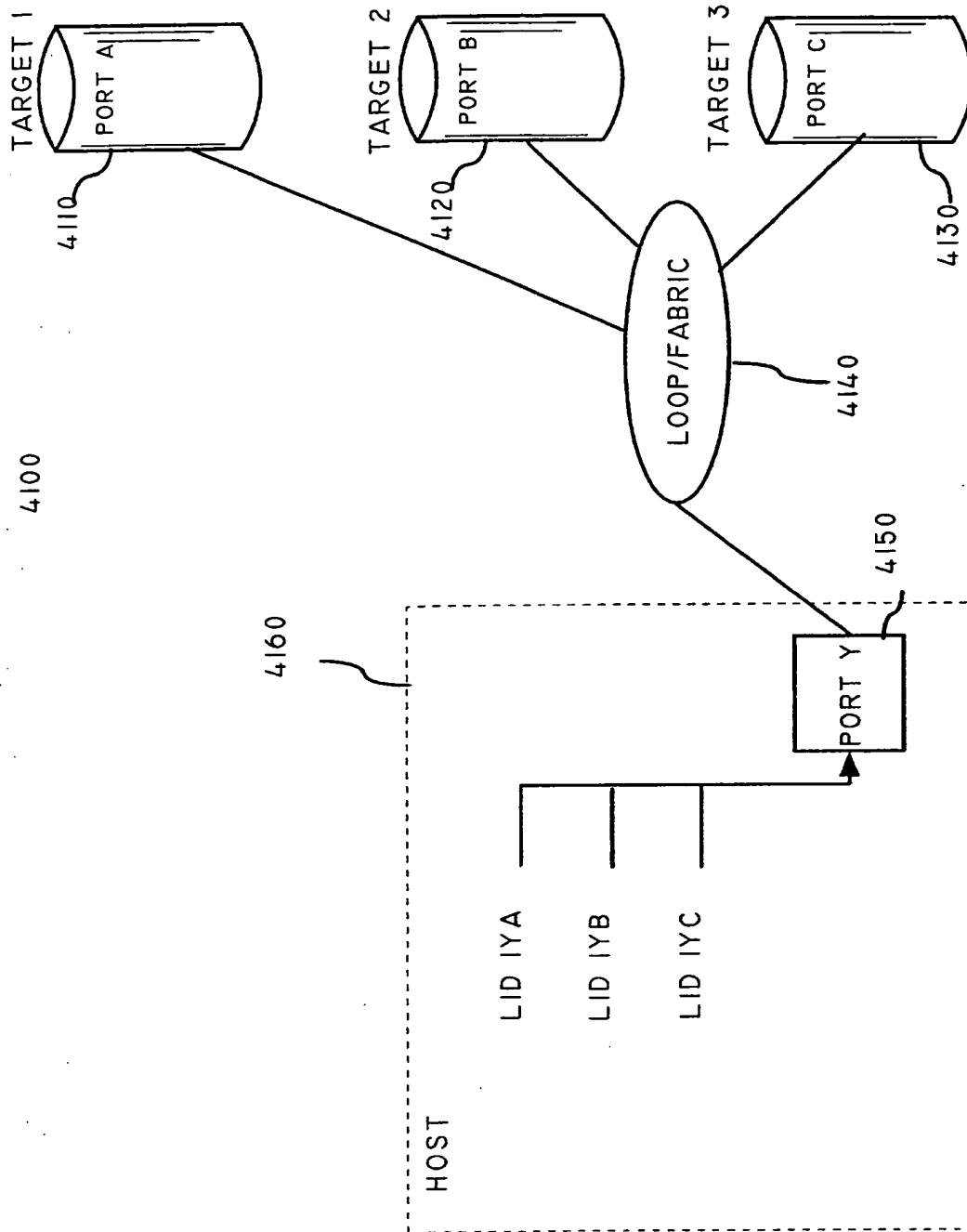


FIG. 36

Prior Art

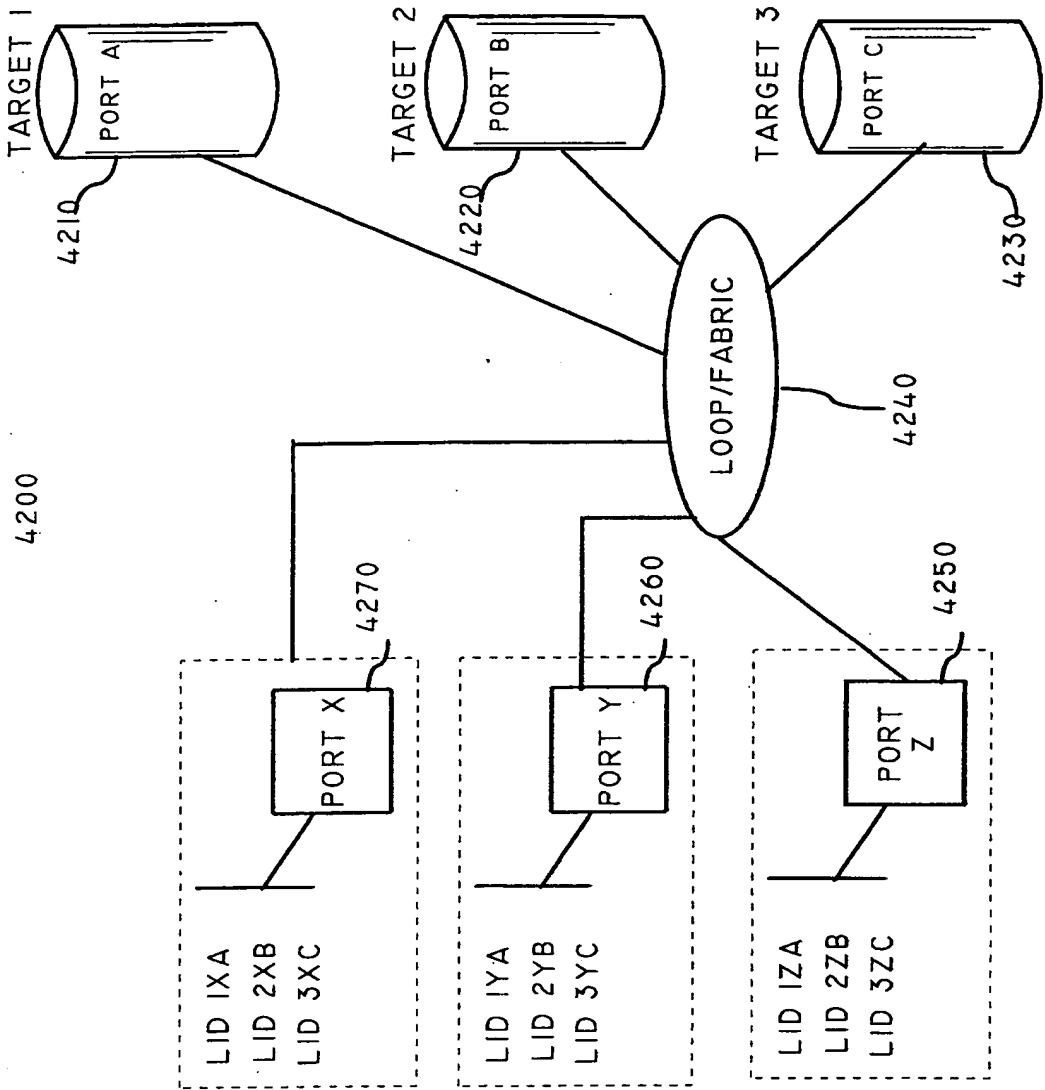


FIG. 37

Prior Art

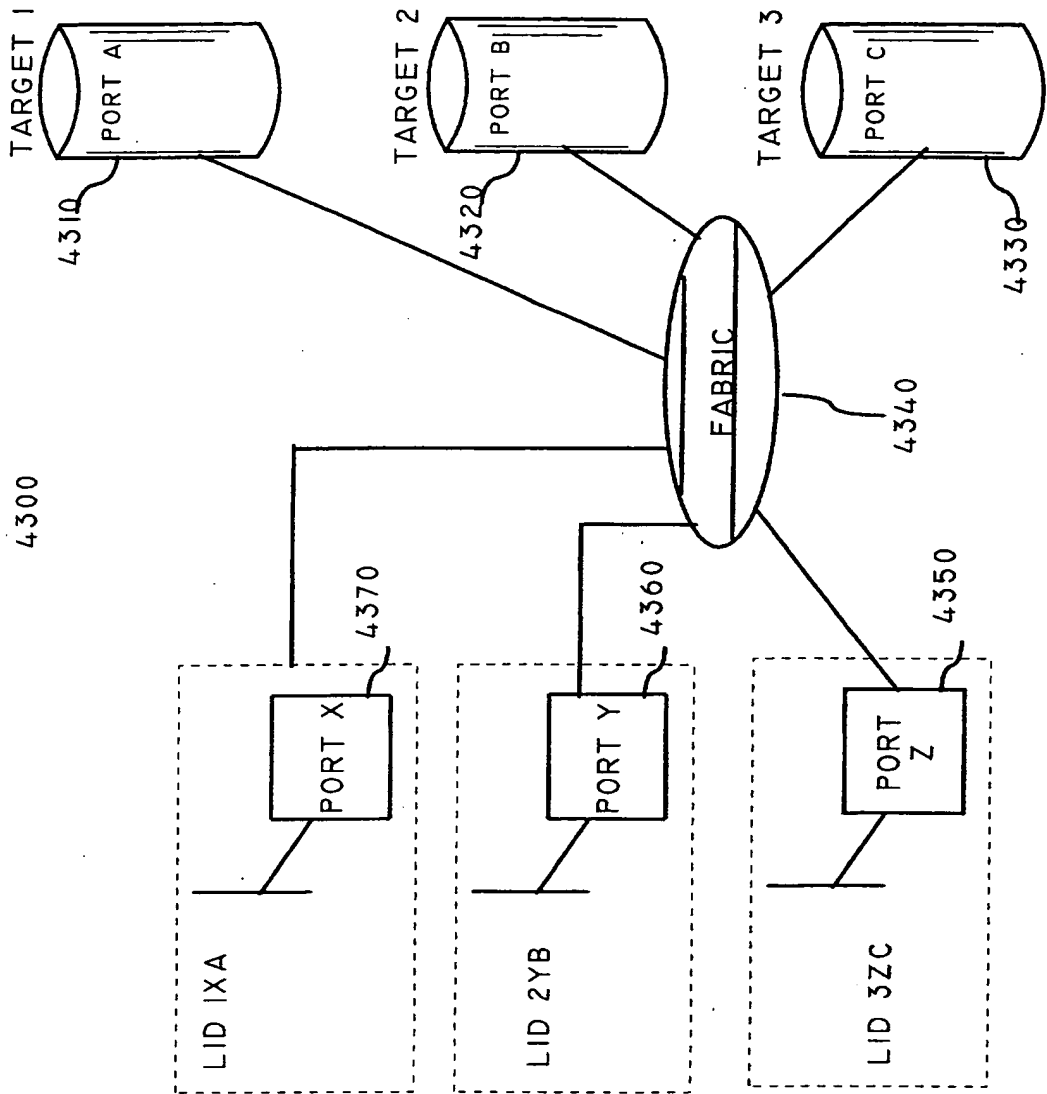


FIG. 38

Prior Art

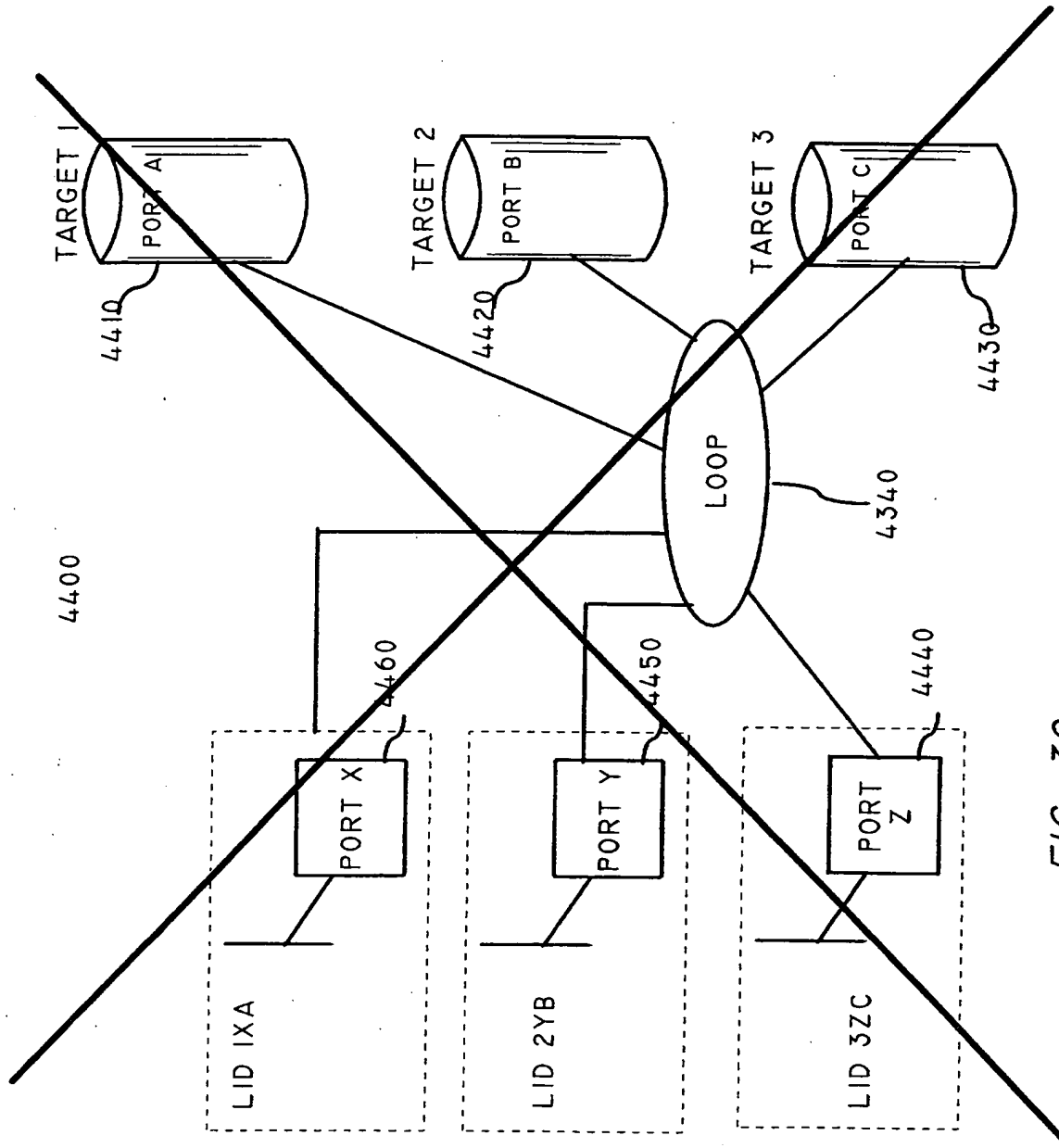


FIG. 39

Prior Art